Ludovica Schaerf

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🌐 https://ludovicaschaerf.github.io/portfolio/

📍 Route de Praz-Véguey, 29
Chavannes-pres-Renens, 1022, CH

Education

Sept. 2020 - July 2022

Masters of Science in Digital Humanities (120 ECTS), *Ecole Polytechnique Fédérale de Lausanne (EPFL)*, Ecublens, Switzerland, Current GPA: 5.75/6.0

Sept. 2017 - July 2020

Bachelor of Science in Informatics (180 ECTS), *Amsterdam University College (AUC)*, Amsterdam, Netherlands, GPA: 3.95/4.00, Summa Cum Laude.

Sept. 2012 - July 2017

High School Diploma, *Liceo Classico E.Q. Visconti*, Rome, Italy, Grade at Esame di Stato: 100/100

Honours and Awards

Sept. 2020

MS Excellence Fellowship, granted to outstanding students in their section *at EPFL*.

August 2020

BS Thesis Distinction, granted by the Capstone Awards Committee of the university to high performing theses *at AUC*.

July 2020

BS Summa Laurea Cum Laude.
Candidate for Valedictorian as among highest 16 GPAs of *Amsterdam University College*'s 2020 grade.

Dec. 2013

Scholarship Federico de Vita, at *Liceo Classico E.Q. Visconti*,
Awarded for placing 1st at the standardized mathematics competition 'Giochi di Archimede'

Work Experiences and Volunteering

Sept. 2021 - January 2022

Student Assistant at 'Applied Data Analysis' MSc Course
 EPFL, Ecublens, Switzerland,
 Prof. Bob West,

Description: Improve the course structure and content, proofread the homework, grade the student submissions, and provide supervision to students during their mini-project assignment.

July 2021 - January 2022

Data Science for Digital Humanities Internship at Peter Lang Publishing Group
 Peter Lang AG , Lausanne, Switzerland,
 Daniela Toma,

Description: Curation of the data of the company, including enriching and correcting the metadata, processing the full text of the books for metadata extraction, and creating interactive data art and data visualizations. The final product is a dissemination platform for social science and humanities books, offering improved search and filtering tools, and interactive visualizations.

Sept. 2019 - August 2020

Data Science Internship at Machine Learning Programs (MLP)
 MLP, Amsterdam, Netherlands,
 Prof. Breanndán ó Nualláin,

Description: Python-based machine learning and data science programs to investigate insurer and broker behaviours. Including setting up the company's PostgreSQL database for optimized querying of historic data summaries, a visualization toolkit for the machine learning models, deep learning regression models.

June 2020

Student Assistant at 'Machine Learning Programs' BSc Intensive Course
 MLP, Amsterdam, Netherlands,
 Prof. Breanndán ó Nualláin,

Description: Helping the students carry out a project in data science and deep learning for insurance price regression.

Jan. 2020

Deep Learning Internship at ALCOR Lab
 Sapienza University of Rome, Rome, Italy

👤 Prof. Fiora Pirri,

Description: Work with a research group on computer vision using deep learning techniques. Focused on the study of autoencoders.

Sept. 2018 - June 2020

Volleyball Trainer
📍 *UvO Amsterdam*, Amsterdam, Netherlands

Description: Trainer of an adult team of 12-18 members, organizing tailored practices for all levels, tournaments and matches with other Amsterdam based teams.

Sept. 2018 - July 2019

Member of the Audit Commission
📍 *Audit Commission*, Amsterdam University College

Description: Member of the Audit team that checks upon finances and expenditures of the university's student association.

Dec. 2019

Symposium Co-Organizer
📍 *Big Data Symposium: Private vs Public*, Amsterdam, Netherlands

Description: Programme organizer and moderator of the panel on 'IoT Surveillance', with speakers from the Amsterdam Police Department, the University of Amsterdam, Huawei, and others.

Technological Skills

Programming Python, PHP, Matlab, R, Haskell, Racket
Machine Learning and Deep Learning Pytorch, Tensorflow, Sklearn, NLTK, Spacy, Scipy
Databases PostgreSQL, Elasticsearch (NoSQL)
Web-design Javascript, d3.js, Three.js, Leaflet.js, CSS, Bootstrap, HTML
Miscellaneous Git, Latex, Figma

Interests

General Volleyball, Bouldering, Yoga, Skiing, Food
Cultural Classical Arts and Literature, Modern and Contemporary Arts,
Philosophy (of Metaphysics), Design

Languages

Italian Native Speaker
English C.2 level
Dutch B.1 level
French B.1 level